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L1 HAS NO ANSWERS
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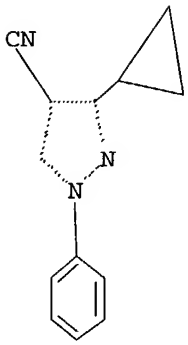

Structure attributes must be viewed using STN Express query preparation.

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L2              2 S L1
L3             58 S L1 FULL
L4             58 S L3 AND CAPLUS/LC
L5              0 S L3 AND CAOLD/LC

     FILE 'CAPLUS' ENTERED AT 11:19:10 ON 09 DEC 2004
L6              5 S L3
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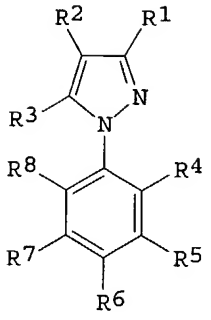
L6 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1994:298625 CAPLUS
DOCUMENT NUMBER: 120:298625
TITLE: Preparation of phenylpyrazoles as arthropodicides, nematocides, protozoacides, and anthelmintics
INVENTOR(S): Hatton, Leslie R.; Buntain, Ian G.; Hawkins, David W.; Parnell, Edgar W.; Pearson, Christopher J.
PATENT ASSIGNEE(S): UK
SOURCE: U.S., 76 pp. Cont.-in-part of U.S. Ser. No. 445,153, abandoned.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5232940	A	19930803	US 1990-520290	19900507
IL 86493	A1	19921115	IL 1988-86493	19880525
IL 105138	A1	19940826	IL 1988-105138	19880525
HU 210668	B	19950628	HU 1991-1577	19880610
US 5547974	A	19960820	US 1993-57669	19930505
FI 9501839	A	19950418	FI 1995-1839	19950418
US 5608077	A	19970304	US 1995-454412	19950530
US 5714191	A	19980203	US 1995-453087	19950530
US 5916618	A	19990629	US 1997-947056	19971007
US 6372774	B1	20020416	US 1999-354903	19990716
DK 200201527	A5	20021010	DK 2002-1527	20021010

PRIORITY APPLN. INFO.:

GB 1985-31485	A	19851220
US 1986-943132	B1	19861218
GB 1987-13768	A	19870612
GB 1987-13769	A	19870612
US 1988-205238	B1	19880610
US 1988-205299	B1	19880610
US 1989-380333	B1	19890717
US 1989-413134	B1	19890927
US 1989-445153	B2	19891205
IL 1986-81025	A	19861218
IL 1988-86492	A	19880525
DK 1988-3140	L	19880609
FI 1988-2735	A	19880609
HU 1988-3009	A	19880610
US 1990-520290	A3	19900507
US 1993-57669	A3	19930505
US 1995-453087	A1	19950530
US 1996-652921	B1	19960524
US 1997-855876	B3	19970512
US 1998-137313	B3	19980821

OTHER SOURCE(S): MARPAT 120:298625
GI



I

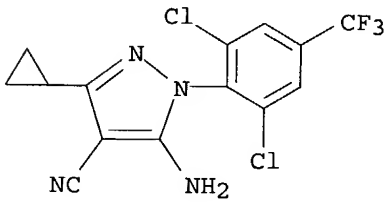
AB Title compds. [I; R1 = cyano, nitro, halo, acetyl, formyl, (halo)alkyl, etc.; R2 = R'SO2, R'SO, R'S, halo, cyano, nitro, cycloalkyl, alkenyl, thiocyanato, sulfamoyl, carbamoyl, alkoxycarbonyl, alkanoyl, (halo)alkyl; R' = (substituted) alkyl, alkenyl, alkynyl; R3 = H, (substituted) amino, alkoxycarbonyl, alkoxymethyleneamino, halo, cycloalkyl, cycloalkylcarbonyl, alkylsulfenylamino, trialkylsilylmethyl, etc.; R4-R8 = H, halo, nitro, cyano, (halo-substituted) alkyl, alkoxy, alkylthio, alkylsulfinyl, alkylsulfonyl], were prepared Thus, fuming nitric acid was added dropwise to 5-acetamido-3-bromo-1-(2,6-dichloro-4-triflluoromethylphenyl)pyrazole and acetic anhydride in acetic acid; the mixture was stirred at 60° for 5 h to give 5-acetamido-3-bromo-1-(2,6-dichloro-4-triflluoromethylphenyl)-4-nitropyrazole. Several I were effective against Plutella xylostella larvae, all stages of Megoura viciae, and Spodoptera littoralis larvae.

IT **111246-97-0P**

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as arthropodicide, nematocide, and anthelmintic)

RN 111246-97-0 CAPLUS

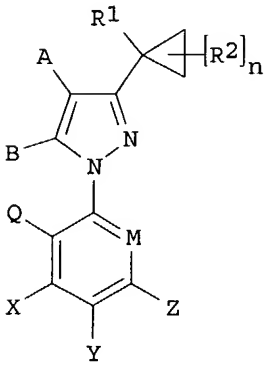
CN 1H-Pyrazole-4-carbonitrile, 5-amino-3-cyclopropyl-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



L6 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003:282543 CAPLUS
DOCUMENT NUMBER: 138:304279
TITLE: Preparation of insecticidal and acaricidal 3-substituted pyrazoles
INVENTOR(S): Furch, Joseph A.; Kuhn, David; Szucs, Stephen S.; Gu, Kun-jian; Von Deyn, Wolfgang
PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 72 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003029222	A1	20030410	WO 2002-EP10719	20020925
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1432688	A1	20040630	EP 2002-777196	20020925
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
BR 2002012385	A	20040817	BR 2002-12385	20020925
PRIORITY APPLN. INFO.:			US 2001-324633P	P 20010925
			WO 2002-EP10719	W 20020925

OTHER SOURCE(S): MARPAT 138:304279
GI



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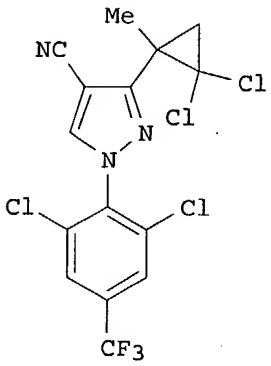


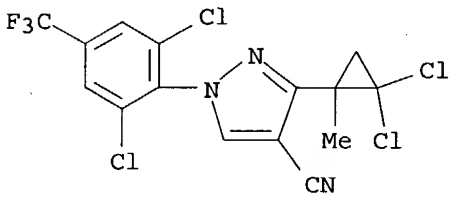
II

AB The title compds. [I; R1 = H, halo, alkyl, etc.; R2 = H, halo, alkyl,

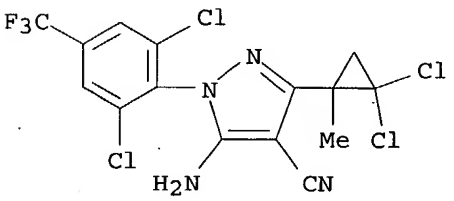
etc.; A = H, OH, CN, etc.; B = H, OH, NH2, etc.; Q = H, NO2, halo, etc.; X, Y, Z = H, halo, haloalkyl, alkoxy or haloalkoxy; M = N, CR6; R6 = H, NO2, halo, haloalkyl; n = 0-4; with the proviso that, when R1 = H, n is not zero], useful for the control of insect and acarid pests and for the protection of plants from those pests as well as useful for treating, controlling, preventing and protecting warm-blooded animals and humans against infestation and infection by arachnids and arthropod endo-and ectoparasites, were prepared E.g., a 3-step synthesis of II, starting from 2,6-dichloro-4-trifluoromethylphenylhydrazine and 2,2-dichloro-1-methylcyclopropanecarboxylic acid, was given. Some of the compds. I showed 100% mortality at 300 ppm when tested against green peach aphid (Myzus persicae).

IT **508228-94-2P 508228-95-3P 508228-97-5P**
508228-99-7P 508229-00-3P 508229-01-4P
508229-02-5P 508229-03-6P 508229-06-9P
508229-07-0P 508229-08-1P 508229-09-2P
508229-10-5P 508229-11-6P 508229-12-7P
508229-13-8P 508229-14-9P 508229-15-0P
508229-16-1P 508229-17-2P 508229-18-3P
508229-19-4P 508229-20-7P 508229-21-8P
508229-22-9P 508229-23-0P 508229-24-1P
508229-25-2P 508229-26-3P 508229-27-4P
508229-28-5P 508229-29-6P 508229-30-9P
508229-31-0P 508229-32-1P 508229-33-2P
508229-43-4P 508229-44-5P 508229-63-8P
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of insecticidal and acaricidal 3-substituted pyrazoles)

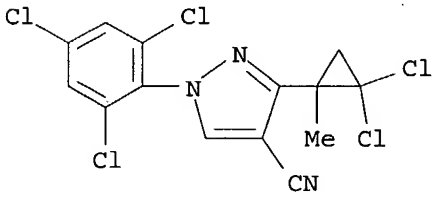
RN 508228-94-2 CAPLUS
CN 1H-Pyrazole-4-carbonitrile, 3-(2,2-dichloro-1-methylcyclopropyl)-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



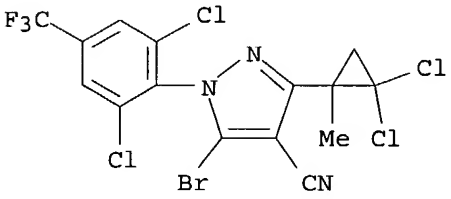
RN 508228-95-3 CAPLUS
CN 1H-Pyrazole-4-carbonitrile, 5-amino-3-(2,2-dichloro-1-methylcyclopropyl)-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



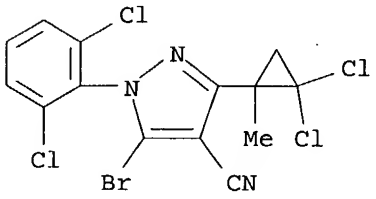
RN 508228-97-5 CAPLUS
CN 1H-Pyrazole-4-carbonitrile, 3-(2,2-dichloro-1-methylcyclopropyl)-1-(2,4,6-trichlorophenyl)- (9CI) (CA INDEX NAME)



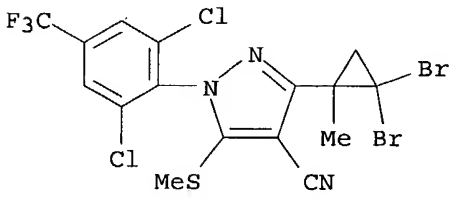
RN 508228-99-7 CAPLUS
CN 1H-Pyrazole-4-carbonitrile, 5-bromo-3-(2,2-dichloro-1-methylcyclopropyl)-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



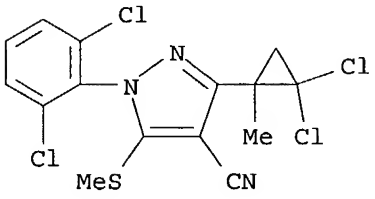
RN 508229-00-3 CAPLUS
CN 1H-Pyrazole-4-carbonitrile, 5-bromo-3-(2,2-dichloro-1-methylcyclopropyl)-1-(2,6-dichlorophenyl)- (9CI) (CA INDEX NAME)



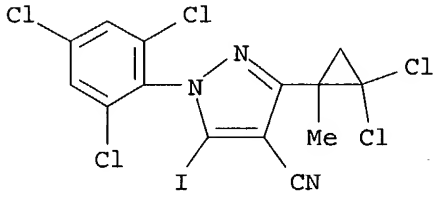
RN 508229-01-4 CAPLUS
CN 1H-Pyrazole-4-carbonitrile, 3-(2,2-dibromo-1-methylcyclopropyl)-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-5-(methylthio)- (9CI) (CA INDEX NAME)



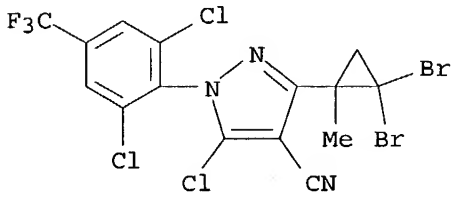
RN 508229-02-5 CAPLUS
CN 1H-Pyrazole-4-carbonitrile, 3-(2,2-dichloro-1-methylcyclopropyl)-1-(2,6-dichlorophenyl)-5-(methylthio)- (9CI) (CA INDEX NAME)



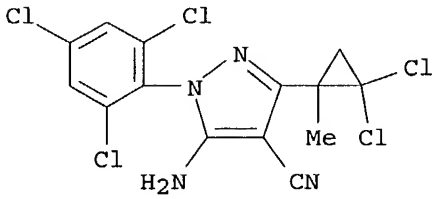
RN 508229-03-6 CAPLUS
CN 1H-Pyrazole-4-carbonitrile, 3-(2,2-dichloro-1-methylcyclopropyl)-5-iodo-1-(2,4,6-trichlorophenyl)- (9CI) (CA INDEX NAME)



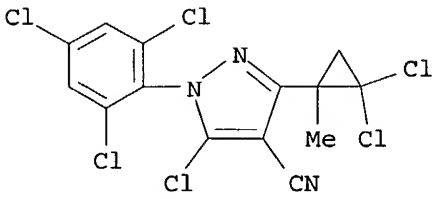
RN 508229-06-9 CAPLUS
CN 1H-Pyrazole-4-carbonitrile, 5-chloro-3-(2,2-dibromo-1-methylcyclopropyl)-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



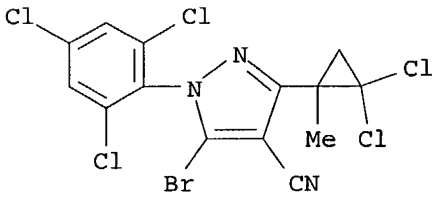
RN 508229-07-0 CAPLUS
CN 1H-Pyrazole-4-carbonitrile, 5-amino-3-(2,2-dichloro-1-methylcyclopropyl)-1-(2,4,6-trichlorophenyl)- (9CI) (CA INDEX NAME)



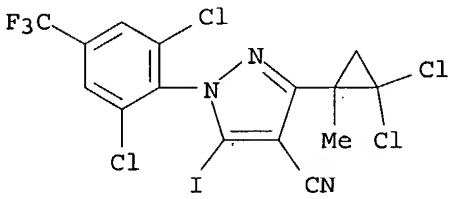
RN 508229-08-1 CAPLUS
CN 1H-Pyrazole-4-carbonitrile, 5-chloro-3-(2,2-dichloro-1-methylcyclopropyl)-1-(2,4,6-trichlorophenyl)- (9CI) (CA INDEX NAME)



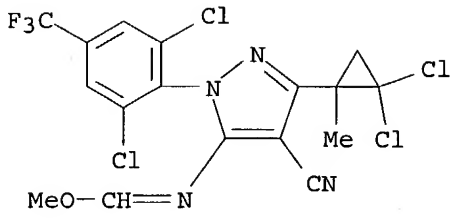
RN 508229-09-2 CAPLUS
CN 1H-Pyrazole-4-carbonitrile, 5-bromo-3-(2,2-dichloro-1-methylcyclopropyl)-1-(2,4,6-trichlorophenyl)- (9CI) (CA INDEX NAME)



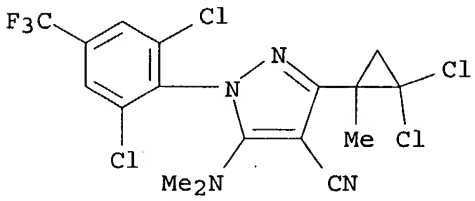
RN 508229-10-5 CAPLUS
CN 1H-Pyrazole-4-carbonitrile, 3-(2,2-dichloro-1-methylcyclopropyl)-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-5-iodo- (9CI) (CA INDEX NAME)



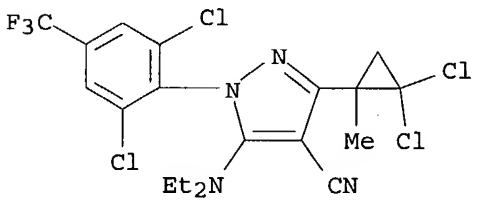
RN 508229-11-6 CAPLUS
CN Methanimidic acid, N-[4-cyano-3-(2,2-dichloro-1-methylcyclopropyl)-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-1H-pyrazol-5-yl]-, methyl ester (9CI) (CA INDEX NAME)



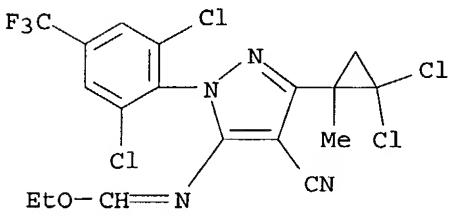
RN 508229-12-7 CAPLUS
CN 1H-Pyrazole-4-carbonitrile, 3-(2,2-dichloro-1-methylcyclopropyl)-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-5-(dimethylamino)- (9CI) (CA INDEX NAME)



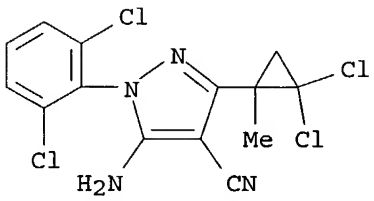
RN 508229-13-8 CAPLUS
CN 1H-Pyrazole-4-carbonitrile, 3-(2,2-dichloro-1-methylcyclopropyl)-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-5-(diethylamino)- (9CI) (CA INDEX NAME)



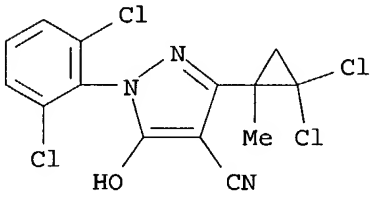
RN 508229-14-9 CAPLUS
CN Methanimidic acid, N-[4-cyano-3-(2,2-dichloro-1-methylcyclopropyl)-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-1H-pyrazol-5-yl]-, ethyl ester (9CI) (CA INDEX NAME)



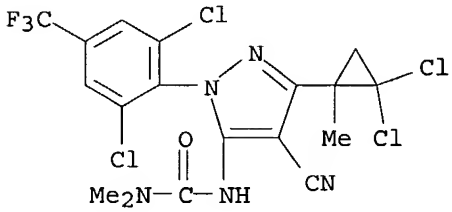
RN 508229-15-0 CAPLUS
CN 1H-Pyrazole-4-carbonitrile, 5-amino-3-(2,2-dichloro-1-methylcyclopropyl)-1-(2,6-dichlorophenyl)- (9CI) (CA INDEX NAME)



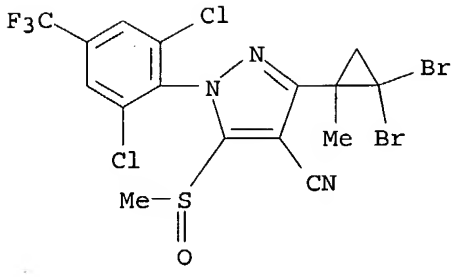
RN 508229-16-1 CAPLUS
CN 1H-Pyrazole-4-carbonitrile, 3-(2,2-dichloro-1-methylcyclopropyl)-1-(2,6-dichlorophenyl)-5-hydroxy- (9CI) (CA INDEX NAME)



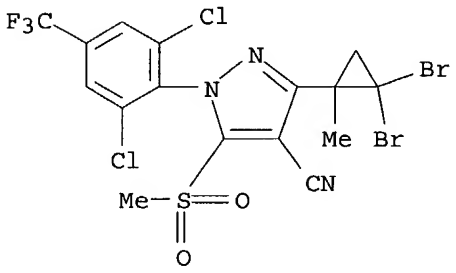
RN 508229-17-2 CAPLUS
CN Urea, N'-[4-cyano-3-(2,2-dichloro-1-methylcyclopropyl)-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-1H-pyrazol-5-yl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



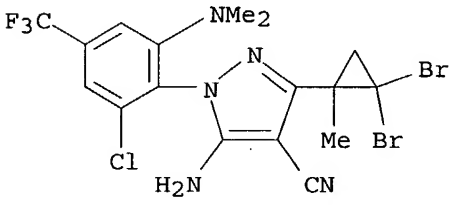
RN 508229-18-3 CAPLUS
CN 1H-Pyrazole-4-carbonitrile, 3-(2,2-dibromo-1-methylcyclopropyl)-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-5-(methylsulfinyl)- (9CI) (CA INDEX NAME)



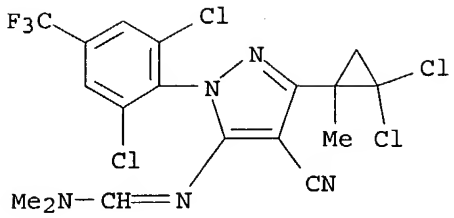
RN 508229-19-4 CAPLUS
CN 1H-Pyrazole-4-carbonitrile, 3-(2,2-dibromo-1-methylcyclopropyl)-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-5-(methylsulfonyl)- (9CI) (CA INDEX NAME)



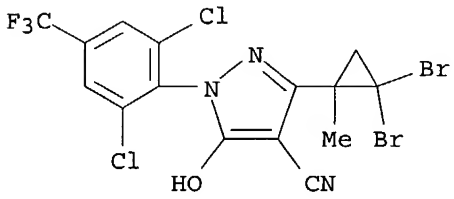
RN 508229-20-7 CAPLUS
CN 1H-Pyrazole-4-carbonitrile, 5-amino-1-[2-chloro-6-(dimethylamino)-4-(trifluoromethyl)phenyl]-3-(2,2-dibromo-1-methylcyclopropyl)- (9CI) (CA INDEX NAME)



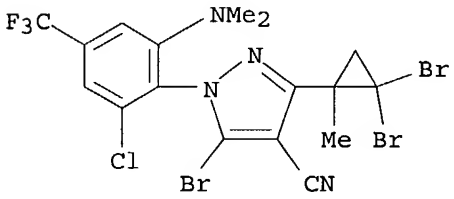
RN 508229-21-8 CAPLUS
CN Methanimidamide, N'-[4-cyano-3-(2,2-dichloro-1-methylcyclopropyl)-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-1H-pyrazol-5-yl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



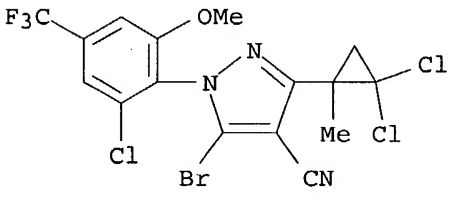
RN 508229-22-9 CAPLUS
CN 1H-Pyrazole-4-carbonitrile, 3-(2,2-dibromo-1-methylcyclopropyl)-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-5-hydroxy- (9CI) (CA INDEX NAME)



RN 508229-23-0 CAPLUS
CN 1H-Pyrazole-4-carbonitrile, 5-bromo-1-[2-chloro-6-(dimethylamino)-4-(trifluoromethyl)phenyl]-3-(2,2-dibromo-1-methylcyclopropyl)- (9CI) (CA INDEX NAME)

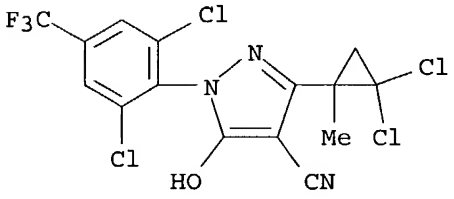


RN 508229-24-1 CAPLUS
CN 1H-Pyrazole-4-carbonitrile, 5-bromo-1-[2-chloro-6-methoxy-4-(trifluoromethyl)phenyl]-3-(2,2-dichloro-1-methylcyclopropyl)- (9CI) (CA INDEX NAME)

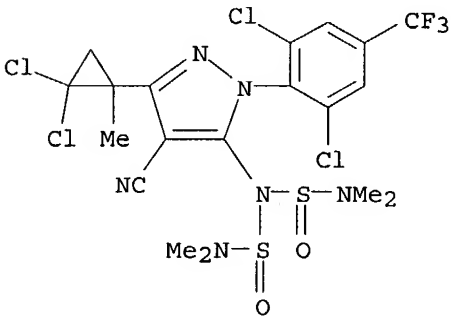


RN 508229-25-2 CAPLUS

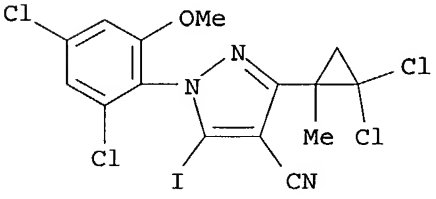
CN 1H-Pyrazole-4-carbonitrile, 3-(2,2-dichloro-1-methylcyclopropyl)-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-5-hydroxy- (9CI) (CA INDEX NAME)



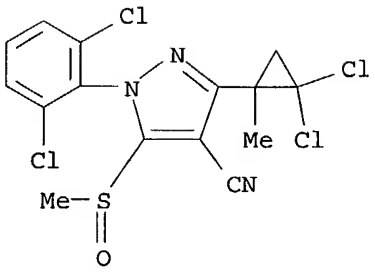
RN 508229-26-3 CAPLUS
CN Imidodisulfurous diamide, N-[4-cyano-3-(2,2-dichloro-1-methylcyclopropyl)-1-[2,6-dichloro-4-(trifluoro)phenyl]-1H-pyrazol-5-yl]-N',N',N'',N''-tetramethyl- (9CI) (CA INDEX NAME)



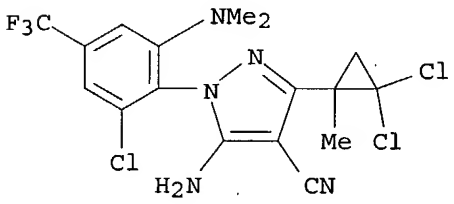
RN 508229-27-4 CAPLUS
CN 1H-Pyrazole-4-carbonitrile, 1-(2,4-dichloro-6-methoxyphenyl)-3-(2,2-dichloro-1-methylcyclopropyl)-5-iodo- (9CI) (CA INDEX NAME)



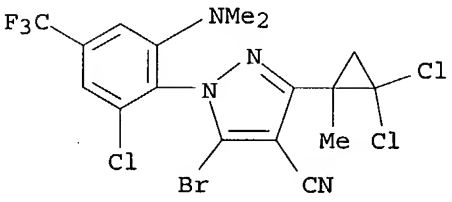
RN 508229-28-5 CAPLUS
CN 1H-Pyrazole-4-carbonitrile, 3-(2,2-dichloro-1-methylcyclopropyl)-1-(2,6-dichlorophenyl)-5-(methylsulfinyl)- (9CI) (CA INDEX NAME)



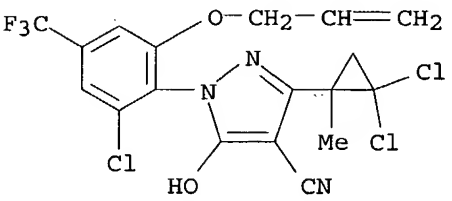
RN 508229-29-6 CAPLUS
CN 1H-Pyrazole-4-carbonitrile, 5-amino-1-[2-chloro-6-(dimethylamino)-4-(trifluoromethyl)phenyl]-3-(2,2-dichloro-1-methylcyclopropyl)- (9CI) (CA INDEX NAME)



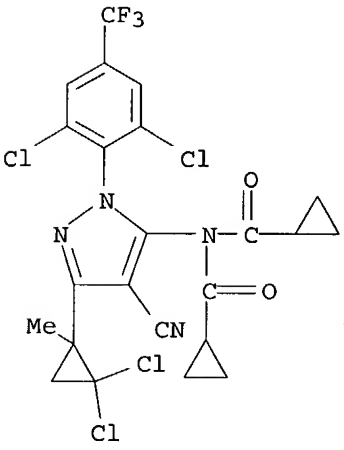
RN 508229-30-9 CAPLUS
CN 1H-Pyrazole-4-carbonitrile, 5-bromo-1-[2-chloro-6-(dimethylamino)-4-(trifluoromethyl)phenyl]-3-(2,2-dichloro-1-methylcyclopropyl)- (9CI) (CA INDEX NAME)



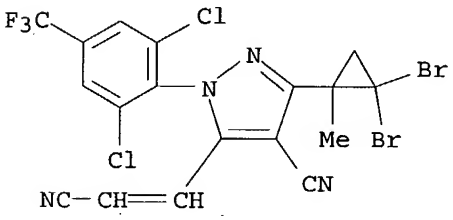
RN 508229-31-0 CAPLUS
CN 1H-Pyrazole-4-carbonitrile, 1-[2-chloro-6-(2-propenyloxy)-4-(trifluoromethyl)phenyl]-3-(2,2-dichloro-1-methylcyclopropyl)-5-hydroxy- (9CI) (CA INDEX NAME)



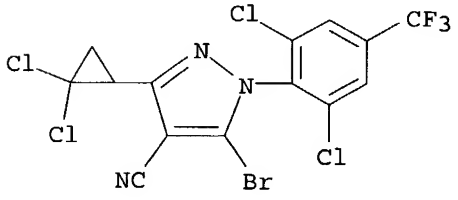
RN 508229-32-1 CAPLUS
CN Cyclopropanecarboxamide, N-[4-cyano-3-(2,2-dichloro-1-methylcyclopropyl)-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-1H-pyrazol-5-yl]-N-(cyclopropylcarbonyl)- (9CI) (CA INDEX NAME)



RN 508229-33-2 CAPLUS
CN 1H-Pyrazole-4-carbonitrile, 5-(2-cyanoethenyl)-3-(2,2-dibromo-1-methylcyclopropyl)-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

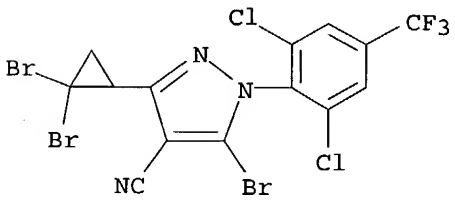


RN 508229-43-4 CAPLUS
CN 1H-Pyrazole-4-carbonitrile, 5-bromo-3-(2,2-dichlorocyclopropyl)-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

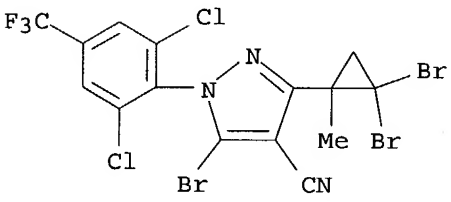


RN 508229-44-5 CAPLUS

CN 1H-Pyrazole-4-carbonitrile, 5-bromo-3-(2,2-dibromocyclopropyl)-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 508229-63-8 CAPLUS
CN 1H-Pyrazole-4-carbonitrile, 5-bromo-3-(2,2-dibromo-1-methylcyclopropyl)-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1987:613615 CAPLUS
DOCUMENT NUMBER: 107:213615
TITLE: Preparation of N-phenylpyrazoles as insecticides, nematocides, acaricides, and anthelmintics
INVENTOR(S): Hatton, Leslie Roy; Hawkins, David William; Parnell, Edgar William; Pearson, Christopher John; Roberts, David Alan
PATENT ASSIGNEE(S): May and Baker Ltd., UK
SOURCE: PCT Int. Appl., 191 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 8703781	A1	19870702	WO 1986-GB781	19861219
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CA 1311242	A1	19921208	CA 1986-525574	19861217
DK 8606139	A	19870621	DK 1986-6139	19861218
DK 175129	B1	20040607		
FI 8605195	A	19870621	FI 1986-5195	19861218
FI 93445	B	19941230		
FI 93445	C	19950410		
AU 8666733	A1	19870625	AU 1986-66733	19861218
AU 587676	B2	19890824		
ZA 8609526	A	19880727	ZA 1986-9526	19861218
DD 265318	A5	19890301	DD 1986-297911	19861218
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PL 158243	B1	19920831	PL 1986-263083	19861218
PL 160050	B1	19930226	PL 1986-273280	19861218
RU 2106783	C1	19980320	RU 1986-4028776	19861218
CN 86108643	A	19870729	CN 1986-108643	19861219
CN 1025811	B	19940907		
EP 234119	A1	19870902	EP 1986-309981	19861219
EP 234119	B1	19940824		
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JP 62228065	A2	19871006	JP 1986-303598	19861219
JP 07062000	B4	19950705		
HU 45022	A2	19880530	HU 1986-5365	19861219
HU 203083	B	19910528		
BR 8607230	A	19881206	BR 1986-7230	19861219
EP 579280	A1	19940119	EP 1993-115360	19861219
EP 579280	B1	19960228		
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ES 2058063	T3	19941101	ES 1986-309981	19861219
AT 134476	E	19960315	AT 1993-115360	19861219
ES 2084430	T3	19960501	ES 1993-115360	19861219
RU 2035452	C1	19950520	RU 1987-4203543	19871027
RU 2080789	C1	19970610	RU 1987-4203558	19871027
RU 2087470	C1	19970820	RU 1991-4894748	19910322

PRIORITY APPLN. INFO.: GB 1985-31485 A 19851220
WO 1986-GB781 A 19861219

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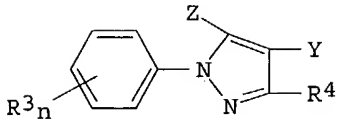

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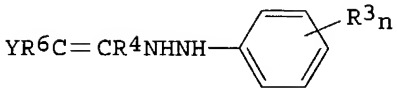

II

AB The phenylpyrazoles I (Y = halo, CN, NO2, RSO2, RSO, RS; R = C1-6 alkyl, haloalkyl, C3-5 cycloalkyl, C2-8 alkenyl, etc.; Z = Z = H, NR1R2, alkylsulfenylamino, alkoxymethyleneamino, etc.; R1, R2 = H, alkyl, alkoxycarbonylalkyl, cycloalkyl, formyl, alkanoyl, etc.; R3 = halo, alkyl, alkoxy, alkylthio, alkylsulfinyl, NO2, CN, etc.; R4 = halo, CN, NO2, alkyl, etc.; n = 1-5) and I salts are prepared as pesticides. 2-Chloro-1,1-dicyano-2-trifluoromethylethylene in Et2O was added to 2,6-dichloro-4-trifluoromethylphenylhydrazine (preparation given) in Et2O in the presence of K2CO3 to give 5-amino-4-cyano-1-(2,6-dichloro-4-trifluoromethylphenyl)-3-trifluoromethylpyrazole (III). Exposure to turnip leaves treated with 500 ppm III was lethal to 2nd instar Plutella xylostella larvae. A dusting powder was made of 10% IV and 90% talc.

IT **111246-97-0P**

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of, as pesticide)

RN 111246-97-0 CAPLUS

CN 1H-Pyrazole-4-carbonitrile, 5-amino-3-cyclopropyl-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)